

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F25D23/06 B29C44/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F25D B29C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 393 (M-1165), 4 October 1991 (1991-10-04) & JP 03 160293 A (SANYO ELECTRIC CO LTD), 10 July 1991 (1991-07-10) abstract	1,6
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 06, 30 April 1998 (1998-04-30) & JP 10 047834 A (HOSHIZAKI ELECTRIC CO LTD), 20 February 1998 (1998-02-20) abstract	1,6
A	US 5 335 988 A (LYNN SHELBY A ET AL) 9 August 1994 (1994-08-09) column 3, line 41 -column 4, line 6; figure 5	1,6
	--- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

17 January 2003

Date of mailing of the international search report

24/01/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Jessen, F

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 02/09512

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 4 190 305 A (KNIGHT J NELSON ET AL) 26 February 1980 (1980-02-26) column 5, line 1 - line 62; figure 2 -----</p>	1,6

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP 02/09512

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 03160293	A	10-07-1991	JP 2021359 C JP 7035945 B	19-02-1996 19-04-1995
JP 10047834	A	20-02-1998	NONE	
US 5335988	A	09-08-1994	CA 2114558 A1	04-08-1994
US 4190305	A	26-02-1980	US 4107833 A BR 7708057 A	22-08-1978 25-07-1978